Class Tasks B3

Interface Evaluation

Suggested Answers

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Class Task 3.1 – The Student Interface Evaluation

Evaluate your interface.

You should consider the quality, performance and usability of the interface you have created in terms of how well is ensures:

Qualification Input Form

- The form is ready for data entry when the form opens.
- The qualification name must be present.
- The qualification name must be longer than 4 characters.
- A qualification type must be selected.
- A record will save in the qualification table if all the required data is present and valid.

Student Input Form

- The form is ready for data entry when the form opens.
- The student age cannot be 0.
- A tutor must be selected from the drop down.
- A record will save in the student table if all the required data is present and valid.

Tutor Summary search

After a tutor group has been selected the following details will appear:

- The number of students in the tutor group.
- The total amount of extra time.
- The average age of the students.
- The number of students with an EpiPen.
- The number of students without an EpiPen.
- The words “TOO LOW” and “SUPPORT REQUIRED” if necessary.

Time Allowed: 30 minutes.

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Suggested Answers

Qualification Input Form

Quality

The quality of the Qualification Input Form is fairly good, because there are good clear validation messages whenever a user enters incorrect data, and most of the validation checking works as expected. However, the Qualification Type validation code does not work properly. This means that a user could enter potentially incorrect information, and this would be saved to the database. Because of these issues, the form is only of fairly good quality.

Performance

The performance of the Qualification Input Form is not very good. This is because the form does not open ready for data entry, meaning that the user needs to scroll to the end of the form before it is ready to accept data. The VBA code has an error on the Qualification Type check meaning that an empty qualification type can be entered and will

Usability

The usability of the Form is not very good because all of the input controls have labels that just say ‘input 1’, ‘input 2’ and ‘input 3’. This means that a user does not know what data they are entering into the form. The controls are not laid out in a straight line meaning that the form is not easy to read. There are clear instructions to the user on how to use the form. The error messages and save messages clearly tell the user what they.

Improvement

To improve the Form, I think it needs to be changed to

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Student Input Form

Quality

Performance

Usability

Improvement

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Tutor Summary Search

Quality

Performance

Usability

Improvement

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Class Task 3.2 – The Customer Order Database Structure Evaluation

Evaluate your interface.

You should consider the quality, performance and usability of the interface you have created in terms of how well is ensures:

The Product Input Form

- The form is ready for data entry when the form opens.
- The product name must be present.
- The product category must be present.
- The product price must be between £3.99 and £49.99.
- The number in stock must be between 1 and 100.
- A record will save in the Product table if all the required data is present and valid.

The Customer Input Form

- The form is ready for data entry when the form opens.
- The customer first and last names must be present.
- The customer age must be more than 18.
- A payment type must be selected from the drop down.
- An account type must be selected from the drop down.
- A record will save in the Customer table if all the required data is present and valid.

The Product Category Environment Search Form

After a Product Category and Environment Rating has been selected the following details will appear:

- The product names, prices and number in stock for the selection.
- The number of products in the selection.
- The total number of items in stock.
- The name and price of the most expensive item in the selection.
- The name and price of the least expensive item in the selection.
- The words “WARNING” if necessary.

Time Allowed: 30 minutes.

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Suggested Answers.

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